

ECOLOGY AND ENVIRONMENT, INC.
FIELD INVESTIGATION TEAM
SITE SAFETY PLAN

US EPA RECORDS CENTER REGION 5



487342

A. GENERAL INFORMATION

SITE: BASF - Southworks TDD NO: RS-8303-03B

WSTS NO: 05-MI-0208

LOCATION: 4001 BIDDLE AVE. WYANDOTTE, MI

PLAN PREPARED BY: ELLEN JURCZAK DATE: 4-17-84

APPROVED BY: _____ DATE: _____

OBJECTIVE (include description of work to be performed): TO
CONDUCT AN ONSITE INSPECTION OF THE
ABOVE SITE. WASTE TREATMENT AND
DISPOSAL AREAS WILL BE OBSERVED. NO
SAMPLES WILL BE COLLECTED.

PROPOSED DATE OF INVESTIGATION: MAY 2, 1984

BACKGROUND REVIEW: Complete: _____ Preliminary: ☒

DOCUMENTATION/SUMMARY: OVERALL HAZARD: Serious: _____ Moderate: _____
Low: ☒ Unknown: _____

B. SITE/WASTE CHARACTERISTICS

WASTE TYPES(S): Liquid ☒ Solid ☒ Sludge ☒ Gas _____

CHARACTERISTIC(S): Corrosive ☒ Ignitable _____ Radioactive _____

Volatile ☒ Toxic ☒ Reactive _____ Unknown _____ Other (Name) _____

FACILITY DESCRIPTION: SITE IS A CHEMICAL MFG.

COMPANY WITH LANDFILLS AND SPILLS

ONSITE - HEAVY METALS, URETHANE, CONSTRUCTION WASTE.

Principal Disposal Method (type and location): LANDFILL,

SPILLS.

Unusual Features (dike integrity, power lines, terrain, etc.) _____

SITE BORDERS DETROIT RIVER.

Status: (active, inactive, unknown) _____

History: (Worker or non-worker injury; complaints from public; previous agency action): _____

C. HAZARD EVALUATION

(Use Hazard Evaluation of Chemicals sheets for specific or representative chemicals present.): _____

D. SITE SAFETY WORK PLAN

PERIMETER ESTABLISHMENT: Map/Sketch Attached _____ Site Secured? _____
Perimeter Identified? _____ Zone(s) of Contamination Identified? _____

PERSONAL PROTECTION

Level of Protection: A _____ B _____ C _____ D _____

Modifications: _____

Surveillance Equipment and Materials: _____

DECONTAMINATION PROCEDURES:

Special Equipment, Facilities, or Procedures:

SITE ENTRY PROCEDURES:

Team Member

Responsibility

WORK LIMITATIONS (Time of day, etc.):

INVESTIGATION-DERIVED MATERIAL DISPOSAL:

E. EMERGENCY INFORMATION

LOCAL RESOURCES

Ambulance _____
Hospital Emergency Room _____
Poison Control Center _____
Police Department _____
Fire Department _____
Airport _____
Explosives Unit _____
EPA Contact _____

SITE RESOURCES

Water Supply _____
Telephone _____
Radio _____

Other _____

EMERGENCY CONTACTS

1. Dr. Raymond Harbison (Univ. of Arkansas)....(501) 661-5766 or (501) 661-5767
MED-TOX.....(501) 370-8263 (24 Hours)
2. Regional Safety Coordinator - Paul Moss(312) 663-9415 (office) (312) 358-9342 (home)
3. FIT Leader - Joseph Petrilli.....(312) 561-7639
4. FIT Office.....(312) 663-9415
5. E & E 24 Hour Call Line.....(716) 882-2804 (24 Hours; Call Forwarding)
6. Regional Health Maintenance Program Contact.PMI - (312) 832-8820
8:00 a.m. - 5:00 p.m.
7. E & E Emergency Paging System.....(716) 882-2804
8. 24 Hour Hot Line for Corporate Response Team (716) 631-9531
9. Dave Dahlstrom.....(716) 741-2384 (home)
Corporate Safety Director (716) 632-4491 (office)
10. Ecology and Environment, Inc. NPMO(703) 522-6065

F. EMERGENCY ROUTES

(Give road or other directions; attach map)

Hospital: _____

REM/FIT EMERGENCY MED-TOX PLAN

FOREWORD

The purpose of this document is to explain the response mechanism within E & E for dealing with accidental injuries or chemical exposures which may occur in the course of REM/FIT work. All REM/FIT personnel are responsible for following the provisions of this plan as part of the Corporate Health and Safety Program. In addition, each regional FIT office will draw up emergency telephone contact lists where indicated in this plan and disseminate them to their team members. A copy of this plan should accompany each team when working in the field.

EMERGENCY MED-TOX SYSTEM

The emergency MED-TOX system consists of the following response elements:

- (1) Field Team
- (2) Local REM/FIT Office
- (3) REM/FIT ZPMO
- (4) E & E Corporate Headquarters
- (5) MED-TOX Hotline
- (6) Health and Safety Advisory Committee

Figure 1 summarizes the activation process for this system.

EMERGENCY ACTIONS

A. Types of Emergencies

Emergencies that may occur during REM/FIT work include physical injury caused by motor vehicle accidents, falls, fires, etc. and chemical exposures caused by splashes, reactions, etc. Such incidents may involve one person or many on the REM/FIT team and could potentially involve the public offsite. For example, a fire could generate a sudden cloud or toxic vapors or gases.

The level of mobilization of the corporate-wide MED-TOX system will depend on the severity of the injury or exposure. For example, a sprained ankle does not have to be reported to the respective ZPMO until it is convenient during normal business hours. Traumatic physical injuries are considered severe and thereby require immediate reporting when they result in:

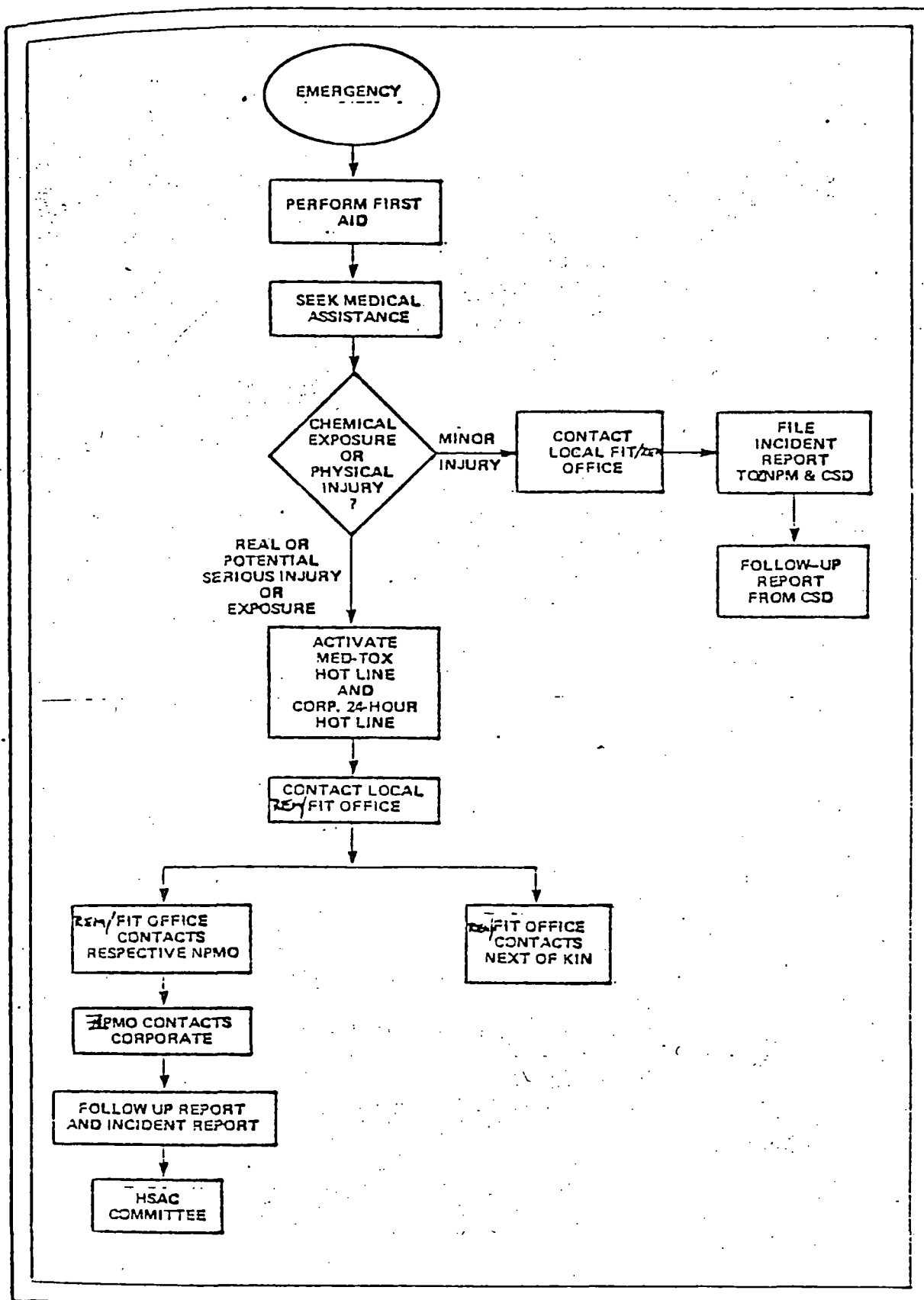


Figure 1 EMERGENCY MED-TOX SYSTEM

- o Death
- o Loss of consciousness
- o Medical treatment other than first aid

All Chemical exposures should be reported through the emergency system. However, any chemical exposure will be reported to the ZPMO as soon as possible after it occurs. The ZPMO will then decide whether it is necessary to pass the report on to corporate as an emergency or handle it through routine reporting procedures.

Responsibilities

- B. (1) The REM/FIT project site leader at the work site has prime responsibility for activating the emergency MED-TOX system onsite. If he or she is unable to do so, the responsibility will follow the order predetermined in the Site Safety Plan beginning with the Site Safety Officer. This person is responsible for:

- (a) Initiating first aid (It may first be necessary to evacuate the person from the site if he is in imminent danger. Follow standard first aid procedure.) Normally the Site Safety Coordinator will be available to begin emergency first aid.
- (b) Obtaining medical assistance by either transporting the victim to a hospital or medical center as determined under the Site Safety Plan, or obtaining an ambulance. The problem of contaminating medical assistance personnel must be considered.
- (c) Activating the MED-TOX System in case of a chemical exposure or potential exposure.
- (d) Contacting the local REM/FIT office

If no one is available to help, the project team leader will carry out the first two responsibilities first with the remaining two to be completed as soon as practical. All four actions may be carried out simultaneously if help is available.

- (2) The REM/FIT Leader at the local office is the prime contact for the project team leader. If he is unavailable, the responsibility follows the following line:
- (a) Assistant REM/FIT Leader

(c) Regional Safety Coordinator

The office contact is responsible for:

- (a) Contacting the injured/exposed party's designated next-of-kin, with programmed information.
 - (b) Contacting the respective ZPMO with information updates.
 - (c) Setting up a command post in the office if necessary to monitor the situation and provide assistance as needed to the field team. The severity of the accident will indicate the degree to which the command post is operated.
 - (d) Acting as a clearing center for information on the accident, status of individual, background on site both to EPA and within the project.
- (3) The respective ZPMO will provide any assistance required by the Regional office such as information on chemicals. The line of responsibility in the ZPMO follows this line:
- (a) FIT
 - i) Assistant Zone Project Manager for Health and Safety (For FIT) D. Dahlstrom (Corp. Safety Director)
 - ii) Assistant Zone Project Manager for Technical Performance (For FIT) L. Welzel
 - (b) Remedial Programs (CH₂m Hill)
 - i) Corporate Safety Director (M. Chillingsworth)
 - ii) Assistant Zone Project Manager (REM)
B. Agesteno

The ZPMO is responsible for:

- (a) Contacting corporate headquarters
 - (b) Contacting EPA headquarters as necessary
 - (c) Serving as a clearinghouse for information for the regional office
- (4) (d) Coordinating preparation of followup reports

E & E corporate headquarters will monitor incidents and bring the resources of the corporation to bear as needed. The callout line is:

- (a) 24-hr call line
- (b) Corporate Safety Director
- (c) Assistant Corporate Safety Director (P. Gorton)

MED-TOX Hot-Line

- A. The purpose of the MED-TOX Hot-Line is to provide the physician attending an E & E Ch₂M Hill employee who is exposed or injured:
 - (1) Toxicological information on the chemicals that may be involved
 - (2) Quick access to the individual's medical records for use in treating the person.
 - (3) A Communications Channel to Corporate Headquarters for further assistance.
- B. The MED-TOX System is activated by the project site leader or other senior team member at the site of the exposure or injury A.S.A.P. This person calls

(501) 370-8263

which is a 24-hour line to an answering service. The answering service will contact one of three toxicologists in the MED-TOX System. (Drs. Raymond Harbison, Richard Freeman, or Morris Cramer.) One of these Toxicologists will contact you.

- C. When the first call is made to MED-TOX, give the person answering the following information:
 - (1) State: This is an emergency
 - (2) Your name and region
 - (3) Telephone number to reach you
 - (4) Your location
 - (5) Name of person injured or exposed
 - (6) Nature of emergency

Give the same information to the toxicologist calling back, and answer any questions he has.

- D. If the toxicologist does not return your call within 15 minutes, call the Corporate 24-hour pager for assistance and then go to the following callout list for toxicological information at E & E headquarters in Buffalo. Start with the first and continue calling them in order until contact is made:

Office

Home

(EST to 8:30-5:30)

(1) David Dahlstrom	(716) 632-4491	(716) 741-2384
(2) Dr. Edward Carr	(716) 831-2803	(716) 434-7384
(3) Dr. James Nolan	(716) 898-4814	(716) 839-4276

WHAT TO REPORT

In all cases of contact made in the chain of reporting within E & E, the following information will be the minimum provided:

1. Name and REM/FIT region of person making call
2. Telephone number and location of person making call
3. Name of person(s) exposed or injured
4. Nature of emergency
5. Actions taken

DEALING WITH THE PRESS

If an accident attracts the attention of the media, and if EPA has an OSC, direct all media contact to him. If an OSC is not present, direct all media contact to the respective REM/FIT ZPMO. Nothing is to be said about the cause of the incident, the people involved, or the extent of injury or exposure.

INCIDENT REPORTS

Any exposure or injury to REM/FIT personnel will require that an incident report be filed by the affected individual. In addition, the person in charge at each reporting level will prepare a report on the actions taken at his/her location during the emergency and followup. This report will be submitted to E & E Corporate Safety Director for collection and preparation of the final report on the incident.

LIST OF TELEPHONE NUMBERS

Regional Office

Office Phone Number: (312) 663-9415

	<u>Name</u>	<u>Home</u>
Team Leader	Joe Petrilli	(312) 663-9415
Assistant Team Leader	Bill Goode	(312) 564-8344
Regional Safety Coordinator	Paul Moss	(312) 358-9342

REM/FIT NATIONAL ZONE MANAGEMENT OFFICES

Office Phone Number: (703) 522-6055 - FIT (303) 620-5200 - REM

	<u>Name</u>	<u>Home</u>	<u>Office</u>
Assistant Zone Project Manager for Health and Safety	David Dahlstrom	(716) 741-2384	(716) 632-4491
CH ₂ M Hill's Corporate Safety Director	Mary Anne Chillinsworth		
Assistant Zone Project Manager (FIT)	Roger Gray	(703) 534-8584	
Assistant Zone Project Manager (REM)	Bob D'Agastero		

E & E's CORPORATE HEADQUARTERS

Office Phone Number: (716) 632-4491

	<u>Name</u>	<u>Home</u>
Corporate Safety Director	David Dahlstrom	(716) 741-2384
Assistant Corporate Safety Director	Peter Gorton	(716) 877-2761
Vice President for Special Projects	Gerry Gallagher	(716) 652-0134
24-hour call line	(716) 882-2804	

SITE DOSIMETER LOG

TDD#

SITE NAME

SITE SAFETY OFFICER

WEEK OF

NAME AND DOSIM. #	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY

To the nearest half-hour, record time spent downrange as "S" (e.g., S: 2.5 hrs), time spent in active PDS operation as "P", and any time spent downrange in rescue activity as "R".

PERSONNEL DOSIMETER RECORD

NAME _____

DOSIMETER NUMBER _____

[illegible]

*HOURS

PERSONNEL DOSIMETER RECORD

NAME

DOSIMETER NUMBER

TDD#

SITE NAME

DATE _____

SITE TIME*

PDS TIME*

RESCUE TIME*

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
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37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
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967	968	969	970	971	972
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1393	1394	1395	13		

*HOURS



MAP LEGEND:

- Interchange
- Freeways
- Multilane Divided
- Freeway under construction
- Paved — two or more lanes
- 96 Interstate routes
- 96 Interstate Business Connections
- 12 United States Routes
- 65 State Routes
- Hospital 24 Hr. emergency serv.
- Railroad
- Commuter Station
- Bus Station